



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

GP/1616

In re Application of:

ROBERT J. D'AMATO ET AL.

Serial No: 09/899,702

Filed: July 05, 2001

For: ESTROGENIC COMPOUNDS AS
ANTIANGIOGENIC AGENTS

) Group Art No: 1616

) Examiner: Qazi, S.

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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents

Washington, DC 20231

Sir:

The citation of information on the attached Form PTO/SB/08A, "List of Art Cited by Applicant" is made pursuant to 37 C.F.R. §§ 1.97 and 1.98. A copy of all listed items is enclosed. The citation of this information does not constitute an admission that any of the materials are available as a reference or of priority, or a waiver of any right applicant may have under applicable statutes, Rules of Practice in patent cases, or otherwise.

Related applications are listed on the attached Appendix A for your reference. Applicants respectfully request that the Examiner review the applications listed in Appendix A, initial Appendix A in the appropriate spaces, and return a copy of the initialized Appendix to Applicants.

Respectfully submitted,

Suzanne Seavello Shope
By: Suzanne Seavello Shope
Reg. No. 37,933

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Our Docket: 05213-0910 (43170-260981)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC, 20231, on this 6 th day of March 2002.

Suzanne Seavello Shope
Suzanne Seavello Shope - Reg. No. 37,933

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Substitute for Form 1449/A/PTO

Complete if Known

Application No.	09/899,702
Filing Date	07/05/2001
First Named Inventor	D'Amato et al.
Group Art Unit	1616
Examiner Name	Qazi, S.

Sheet

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of

16

Attorney Docket Number

05213-0910 (43170-260981)

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number ⁴	Kind Code ⁵ (if known)			
	1	2,584,271		Huffman	02/05/1952	
	2	2,846,453		Hoehn	08/05/1958	
	3	3,410,879		Smith et al.	11/12/1968	
	4	3,470,218		Farah	09/30/1969	
	5	3,492,321		Crabbe	01/27/1970	
	6	3,496,272		Kruger (Identifier only)	02/17/1970	
	7	3,956,348		Hilscher	05/11/1976	
	8	4,172,132		Draper et al.	10/23/1979	
	9	4,212,864		Tax	07/15/1980	
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	11	4,522,758		Ward et al.	06/11/1985	
	12	4,743,597		Javitt et al.	05/10/1988	
	13	4,994,443	B1	Folkman et al.	02/19/1991	
	14	5,001,116		Folkman et al.	03/19/1991	
	15	5,135,919		Folkman et al.	08/04/1992	
	16	5,504,074		D'Amato et al.	04/02/1996	
	17	5,521,168		Clark	05/28/1996	
	18	5,621,124		Seilz et al.	04/15/1997	
	19	5,643,900		Fotsis et al.	07/01/1997	
	20	5,661,143		D'Amato et al.	08/26/1997	
	21	5,892,069		D'Amato et al.	04/06/1999	
	22	6,011,023	B1	Clark et al.	01/04/2000	
	23	6,136,992		Ram et al.	10/24/2000	
	24	6,200,966	B1	Stewart	03/13/2001	

Examiner Signature	Date Considered
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

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**INFORMATION DISCLOSURE
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Complete if Known

Application No. 09/899,702

Filing Date 07/05/2001

First Named Inventor D'Amato et al.

Group Art Unit 1616

Examiner Name Qazi, S.

Sheet 2 of 16 Attorney Docket Number 05213-0910 (43170-260981)

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number ⁴	Kind Code ⁵ (if known)			
	25	6,239,123	B1	Green et al.	05/29/2001	

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				Examiner Name	Qazi, S.
Sheet	3	of	16	Attorney Docket Number	05213-0910 (43170-260981)

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FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴				
	26	DE	1907330	Sandoz Ltd. (Identifier only)	10/23/1969		
	27	DE	3625315	Schering A.-G (Identifier only)	01/28/1998		
	28	WO	90/15816	A1	The UpJohn Company	12/27/1990	
	29	WO	93/03729		Research Corporation Technologies, Inc.	03/04/1993	
	30	WO	95/04535		The Children's Medical Center Corporation	02/16/1995	
	31	WO	98/40398		Pharm-Eco Laboratories, Inc.	09/17/1998	

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<p style="text-align: center;">Substitute for Form 1449/A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)</p> <p style="text-align: right; margin-top: -100px;">MAR 11 2002 JC148 PAPERS RECEIVED U.S. PATENT AND TRADEMARK OFFICE MAY 14 2002 TECH CENTER 1600 1600 2900</p>				Complete if Known		
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				Group Art Unit	1616	
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Sheet	4	of	16	Attorney Docket Number	05213-0910 (43170-260981)	
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
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	32	Author: <u>Dict. of Drugs (1990), Dict. of Steroids (1991), Dict. of Org. Cmpds (6th Ed) (1996), Dict. of Pharm. Agents (1997)</u>	Title: Liloeristone/(1-[4-(Dimethylamino)phenyl]-17-hydroxy-17-(3-hydroxy-1-propenyl) estra-4,9-diene-3-one; AK 98734 Publ: <u>AK 98734</u>	Vol/Iss: <u>None</u>	Pages: <u>None</u>	Date: <u>None</u>
	33	Author: <u>The Merck Index 11th Edition</u>	Title: (paragraphs 583-584) Publ: <u>The Merck Index 11th Edition</u>	Vol/Iss: <u>None</u>	Pages: 88 <u>None</u>	Date: 1989 <u>None</u>
	34	Author: ADAMS, E.F. et al. Publ: <u>Journal of Endocrinology</u>	Title: Steroidal regulation of oestradiol-17B dehydrogenase activity of the human breast cancer cell line MCF-7 <u>None</u>	Vol/Iss: 188 (1) <u>None</u>	Pages: 149-154 <u>None</u>	Date: 07/1988 <u>None</u>
	35	Author: AIZU-YOKOTA et al. Publ: <u>Cancer Research</u>	Title: Natural Estrogens Induce Modulation of Microtubules in Chinese Hamster V79 Cells in Culture <u>None</u>	Vol/Iss: 55 <u>None</u>	Pages: 1863-1868 <u>None</u>	Date: 05/01/95 <u>None</u>
	36	Author: ATTALIA et al. Publ: <u>Biochemical and Biophysical Research Communications</u>	Title: 2-Methoxyestradiol Arrests Cells in Mitosis without Depolarizing Tubulin <u>None</u>	Vol/Iss: 228 <u>None</u>	Pages: 467-473 <u>None</u>	Date: 1996 <u>None</u>
	37	Author: AYALA et al. Publ: <u>Shock</u>	Title: The Induction of Accelerated Thymic Programmed Cell Death During Polymicrobial Sepsis: Control by Corticosteroids but not Tumor Necrosis Factor (Abstract only) <u>None</u>	Vol/Iss: 3 (4) <u>None</u>	Pages: 259-267 <u>None</u>	Date: 04/1995 <u>None</u>
	38	Author: BANIK et al. Publ: <u>Steroids</u>	Title: Orally Active Long-Acting Estrogen (3-(2-propynyl)-estra-1,3,5,(10)-triene-17, beta.-ol trimethylacetate) (Identifier only) <u>None</u>	Vol/Iss: 16 (3) <u>None</u>	Pages: 289-296 <u>None</u>	Date: 1970 <u>None</u>

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Sheet	5	of	16	Attorney Docket Number	05213-0910 (43170-260980)

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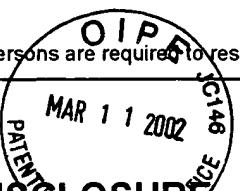
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ³
	39	Author: BARDON et al. Publ: <u>Cancer Research</u>	Title: Steroid Receptor-Mediated Cytotoxicity of an Antiestrogen and an Antiprogestin in Breast Cancer Cells (Abstract only)	Vol/Iss: 47 (5)	Pages: 1441-1448 Date: 03/01/87
	40	Author: BHAT et al. Publ: <u>Mikroskopie</u>	Title: Estradiol-induced Mitotic Inhibition in the Bursa of Fabricius of Male Domestic Duckling	Vol/Iss: 39	Pages: 113-117 Date: 05/1982
	41	Author: BLAGOSKLONNY et al. Publ: <u>Cancer Research</u>	Title: Raf-1/bcl-2 Phosphorylation: A Step from Microtubule Damage to Cell Death	Vol/Iss: 57	Pages: 130-135 Date: 01/01/97
	42	Author: BLICKENSTAFF et al. Publ: <u>Cytotoxic Estrogens in Hormone Receptive Tumors</u>	Title: Estrogen-Catharanthus (Vinca) Alkaloid Conjugates	Vol/Iss:	Pages: 89-105 Date: 1980
	43	Author: BOYE et al. Publ: <u>Helvetica Chimica Acta</u>	Title: 185. Deaminocolchinchinyl Methyl Ether. Synthesis from 2,3,4,4'-Tetramethoxybiphenyl-2-carbaldehyde. Comparison of Antitubulin Effects of	Vol/Iss: 72	Pages: 1690-1696 Date: 1989
	44	Author: BRODIE, A.M. Publ: <u>Journal of Steroid Biochemistry and Molecular Biology</u>	Title: Aromatase Inhibitors in the Treatment of Breast Cancer (Abstract only)	Vol/Iss: 49 (4-6)	Pages: 281-287 Date: 06/1994
	45	Author: BROSENS et al. Publ: <u>Laboratory for Gynecological Physiopathology</u>	Title: Comparative Study of the Estrogenic Effect of Ethynodiol and Mestranol on the Endometrium	Vol/Iss: 14 (6)	Pages: 679-685 Date: 12/01/76

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Sheet	6	of	16	Attorney Docket Number	05213-0910 (43170-260981)

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published				T ²	
	46	Author: CASTAGNETTA, L. et al. Publ: Journal of Chromatography	Title: Simple Approach to Measure Metabolic Pathways of Steroids in Living Cells	Vol/Iss: 572	Pages: 25-39	Date: 12/06/91	
	47	Author: CHASSEROT-GOLAZ et al. Publ: Biochemical Pharmacology	Title: Biotransformation of 17.beta.-hydroxy-11.beta.-(4-dimethylaminophenyl) 17.alpha.1-propynyl-estra-4,9-diene-3-one (RU486) in Rat Hepatoma Variants (Identifier only)	Vol/Iss: 46 (11)	Pages: 2100-2103	Date: 01/01/93	
	48	Author: CHEN et al. Publ: Steroids	Title: A New Synthetic Route to 2- and 4-Methoxyestradiols by Nucleophilic Substitution	Vol/Iss: 47 (1)	Pages: 63-66	Date: 01/1986	
	49	Author: CHEN et al. Publ: Nanjing Yaoxueyuan Xuebao	Title: Synthesis of 11.beta.-(4-dimethylaminophenyl)-17.beta-hydroxy-17.alpha.-(1-propyl) estra-4, 9-dien-3-one (RU486) (Identifier only)	Vol/Iss: 17 (4)	Pages: 282-285	Date: 1986	
	50	Author: COHEN et al. Publ: The Journal of Organic Chemistry	Title: Novel Total Synthesis of (+)-Estrone 3-Methyl Ether, (+)-13B-Ethyl-3-methoxygona-1,3,5(10-triene-17-one, and (+)-Equilenin 3-Methyl Ether	Vol/Iss: 6	Pages: 681-685	Date: 03/21/75	
	51	Author: COLLINS et al. Publ: Aust. Journal of Chemistry	Title: The Structure and Function of Estrogens. XI* Synthesis of (+/-)-7(8-11 α) abeo-Estradiol and its 9,11-Didehydro Derivative	Vol/Iss: 45	Pages: 71-97	Date: 1992	
	52	Author: CRUM, R. et al. Publ: SCIENCE	Title: A New Class of Steroids Inhibits Angiogenesis in the Presence of Heparin or a Heparin Fragment	Vol/Iss: 230	Pages: 1375-1378	Date: 12/20/85	

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	53	Author: CUMMINGS et al. Publ: <u>The American Journal of Surgical Pathology</u>	Title: Apoptosis Vol/Iss: 21 (1)	Pages: 88-101	Date: 1997
	54	Author: CUSHMAN et al. Publ: <u>Journal of Medical Chemistry</u>	Title: Synthesis, Antitubulin and Antimitotic Activity, and Cytotoxicity of Analogs of 2-Methoxyestradiol, an Endogenous Mammalian Metabolite of Estradiol that Vol/Iss: 38 (12)	Pages: 2041-2049	Date: 1995
	55	Author: CUSHMAN et al. Publ: <u>Journal of Medical Chemistry</u>	Title: Synthesis of Analogs of 2-Methoxyestradiol with Enhanced Inhibitory Effects of Tubulin Polymerization and Cancer Cell Growth Vol/Iss: 40 (15)	Pages: 2323-2334	Date: 1997
	56	Author: D'AMATO et al. Publ: <u>Proceedings of the National Academy of Science USA</u>	Title: 2-Methoxyestradiol, an Endogenous Mammalian Metabolite, Inhibits Tubulin Polymerization by Interacting at the Colchicine Site Vol/Iss: 91	Pages: 3964-3968	Date: 04/1994
	57	Author: DVIR et al. Publ: <u>Journal of Chromatography</u>	Title: Thin-layer Chromatography of DANSYL-oestrogens Vol/Iss: 52	Pages: 505-506	Date: 11/04/70
	58	Author: EPE et al. Publ: <u>Mechanisms of Chromosome Distribution and Aneuploidy</u>	Title: Microtubular Proteins as Cellular Targets for Carcinogenic Estrogens and Other Carcinogens Vol/Iss:	Pages: 345-351	Date: 1989
	59	Author: EVANS et al. Publ: <u>Journal of the American Chemical Society</u>	Title: A Convergent Total Synthesis of (+)-Colchicine and (+)-Desacetamidoisocolchicine Vol/Iss: 103	Pages: 5813-5821	Date: 09/23/81

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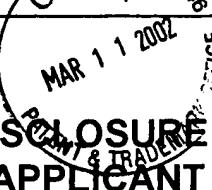
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	60	Author: FISHMAN, J.	Title: Synthesis of 2-Methoxyestrogens				
		Publ:					
		Journal of the American Chemical Society		Vol/Iss: 80	Pages: 1213-1216	Date: 03/05/98	
	61	Author: FITZGERALD	Title: Molecular Features of Colchicine Associated with Antimitotic Activity and Inhibition of Tubulin Polymerization				
		Publ:					
		Biochemical Pharmacology		Vol/Iss: 25	Pages: 1383-1387	Date: 06/15/76	
	62	Author: FOTSISS et al.	Title: The Endogenous Oestrogen Metabolite 2-Methoxyoestradiol Inhibits Angiogenesis and Suppresses Tumour Growth				
		Publ:					
		Nature		Vol/Iss: 368	Pages: 237-239	Date: 03/17/94	
	63	Author: GETAHUN et al.	Title: Synthesis of Alkoxy-Substituted Diaryl Compounds and Correlation of Ring Separation with Inhibition of Tubulin Polymerization: Differential Enhancement of Inhibitory Effects Under Suboptimal Polymerization				
		Publ:					
		Journal of Medical Chemistry		Vol/Iss: 35 (6)	Pages: 1058-1067	Date: 03/20/92	
	64	Author: GROSS et al.	Title: Inhibition of Tumor Growth, Vascularization, and Collagenolysis in the Rabbit Cornea by Medroxyprogesterone				
		Publ:					
		Proceedings of the National Academy of Science USA		Vol/Iss: 78 (2)	Pages: 1176-1180	Date: 02/1981	
	65	Author: GUANGRONG et al.	Title: Effect of Components of Growth Ether Copper(I)iodide Mixed Catalyst on Nucleophilic Substitution of Bromoestrogen (Abstract No. 195225)				
		Publ:					
		Chemical Abstracts		Vol/Iss: 111 (21)	Pages: 818, Column 1	Date: 11/20/89	
	66	Author: HALDAR et al.	Title: Bc12 is the Guardian of Microtubule Integrity				
		Publ:					
		Cancer Research		Vol/Iss: 57	Pages: 229-233	Date: 01/15/97	

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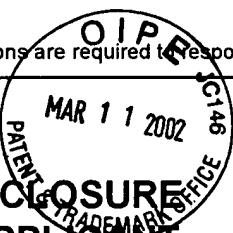
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	67	Author: HAMEL et al. Publ: <u>Biochemistry</u>	Title: Interactions of 2-Methoxyestradiol, an Endogenous Mammalian Metabolite, with Unpolymerized Tubulin and with Tubulin Polymers Vol/Iss: 35 (4) Pages: 1304-1310 Date: 1996		
	68	Author: HARTLEY-ASP et al. Publ: <u>Mutation Research</u>	Title: Diethylstilbestrol Induces Metaphase Arrest and Inhibits Microtubule Assembly Vol/Iss: 143 (4) Pages: 231-235 Date: 08/1985		
	69	Author: HE et al. Publ: <u>Bioorganic & Medicinal Chemistry Letters</u>	Title: A Versatile Synthesis of 2-Methoxyestradiol, an Endogenous Metabolite of Estradiol which Inhibits Tubulin Polymerization by Binding to the Colchicine Biding Site Vol/Iss: 4 (14) Pages: 1724-1728 Date: 1994		
	70	Author: HUBER et al. Publ: <u>Bioorganic & Medicinal Chemistry Letters</u>	Title: Tubulin Binding of Conformationally Restricted Bis-Aryl Compounds Vol/Iss: 1 (5) Pages: 243-246 Date: 1991		
	71	Author: JOSEFSSON et al. Publ: <u>Arthritis & Rheumatism</u>	Title: Suppression of Type II Collagen-Induced Arthritis by the Endogenous Estrogen Metabolite 2-Methoxyestradiol Vol/Iss: 40 (1) Pages: 154-163 Date: 01/1997		
	72	Author: KABARITY et al. Publ: <u>Mutation Research</u>	Title: Further Investigations on the cytological effects of some contraceptives Vol/Iss: 135 Pages: 181-188 Date: 1984		
	73	Author: KELLY et al. Publ: <u>Journal of Clinical Endocrinology Metabolism</u>	Title: The Stimulation of Prostaglandin Production by Two Antiprogestrone Steroids in Human Endometrial Cells (Abstract only) Vol/Iss: 62 (6) Pages: 1116-1123 Date: 06/1986		

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				Application No.	09/899,702
				Filing Date	07/05/2001
				First Named Inventor	D'Amato et al.
				Group Art Unit	1616
				Examiner Name	Qazi, S.
Sheet	10	of	16	Attorney Docket Number	05213-0910 (43170-260981)

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published				T ³	
	74	Author: KLAUBER et al. Publ: <u>Cancer Research</u>	Title: Inhibition of Angiogenesis and Breast Cancer in Mice by the Microtubule Inhibitors 2-Methoxyestradiol and Taxol	Vol/Iss: 57	Pages: 81-86	Date: 01/01/97	
	75	Author: LEBRAS, J. et al. Publ: <u>Organometallics</u>	Title: Activation and Regioselective Ortho-Functionalization of the A-Ring of B-Estradiol Promoted by "Cp*Ir": An Efficient Organometallic Procedure for the Synthesis of 2-Methoxyestradiol	Vol/Iss: 16	Pages: 1765-1771	Date: 1997	
	76	Author: LIN et al. Publ: <u>Molecular Pharmacology</u>	Title: Interactions of Tubulin with Potent Natural and Synthetic Analogs of the Antimitotic Agent Combretastatin: A Structure-Activity Study	Vol/Iss: 34 (2)	Pages: 200-208	Date: 08/1988	
	77	Author: LINCOLN et al. Publ: <u>Biochemistry</u>	Title: Conformation of Thiocolchicine and Two B-Ring-Modified Analogues Bound to Tubulin Studied with Optical Spectroscopy	Vol/Iss: 30 (5)	Pages: 1179-1187	Date: 02/05/91	
	78	Author: LOTTERING et al. Publ: <u>Cancer Research</u>	Title: Effects of the 17 β -Estradiol Metabolites on Cell Cycle Events in MCF-7 Cells	Vol/Iss: 52	Pages: 5926-5932	Date: 11/01/92	
	79	Author: LOTTERING et al. Publ: <u>Cancer Letters</u>	Title: 17 β -Estradiol Metabolites Affect Some Regulators of the MCF-7 Cell Cycle	Vol/Iss: 110	Pages: 181-186	Date: 1996	
	80	Author: MAYOL et al. Publ: <u>Carcinogenesis</u>	Title: Ethynodiol-Induced Cell Proliferation in Rat Liver Involvement of Specific Populations of Hepatocytes (Abstract only)	Vol/Iss: 12 (12)	Pages: 2381-2388	Date: 1992	

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	81	Author: MEIKRANTZ et al. Title: Apoptosis and the Cell Cycle Publ: Journal of Cellular Biochemistry	Vol/Iss: 58	Pages: 160-174	Date: 06/1995	
	82	Author: MILLER et al. Title: Synthesis and Structure-Activity Profiles of A-Homoestrones, the Estratropones Publ: Journal of Medicinal Chemistry	Vol/Iss: 40	Pages: 3836-3841	Date: 1997	
	83	Author: MORGAN et al. Title: Calcium and Oestrogen Interactions upon the Rat Thymic Lymphocyte Plasma Membrane Publ: Biochemical and Biophysical Research Communications	Vol/Iss: 72 (2)	Pages: 663-672	Date: 09/20/76	
	84	Author: MUKHOPADHYAY et al. Title: Induction of Apoptosis in Human Lung Cancer Cells after Wild-Type p53 Activation by Methoxyestradiol Publ: Oncogene	Vol/Iss: 14	Pages: 379-384	Date: 1997	
	85	Author: MUKUNDAN et al. Title: Liver Regeneration in Oral Contraceptive Treated Female Rats - Effects of Moderate Malnutrition Publ: Hormone and Metabolic Research	Vol/Iss: 16	Pages: 641-645	Date: 12/1984	
	86	Author: NAKAGAWA-YAGI et al. Title: The Endogenous Estrogen Metabolite 2-Methoxyestradiol Induces Apoptotic Neuronal Cell Death In Vitro Publ: Life Sciences	Vol/Iss: 58 (17)	Pages: 1461-1467	Date: 1996	
	87	Author: NAKAMURA et al. Title: Studies on the Total Synthesis of <i>d</i> -Colchicine. I. Synthesis of 3-Hydroxy-9, 10, 11-trimethoxy-1,2,3,4,6,7-hexahydro-5 <i>H</i> -dibenzo[a,c]cycloheptatrien-5-one Publ: Chemical and Pharmaceutical Bulletin	Vol/Iss: 10	Pages: 281-290	Date: 1962	

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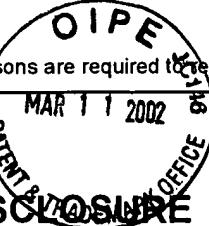
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	88	Author: NAMBARA et al. Publ: <u>Chem. Pharm. Bulletin</u>	Title: Studies on Steroid Conjugates. III. New Synthesis of 2-Methoxyestrogens		
	89	Author: NAPOLITANO et al. Publ: <u>Journal of Medical Chemistry</u>	Title: 11 Beta-Substituted Estradiol Derivatives. 2. Potential Carbon-11 and Iodine-Labeled Probes for the Estrogen Receptor (Abstract only)	Vol/Iss: 38 (14) Pages: 2774-2779 Date: 07/07/95	
	90	Author: NISHIGAKI et al. Publ: <u>Atherosclerosis</u>	Title: Anti-Proliferative Effect of 2-Methoxyestradiol on Cultured Smooth Muscle Cells from Rabbit Aorta	Vol/Iss: 113 Pages: 167-170 Date: 1995	
	91	Author: OCHS et al. Publ: <u>Cancer Research</u>	Title: Effect of Tumor Promoting Contraceptive Steroids on Growth and Drug Metabolizing Enzymes in Rat Liver (Abstract only)	Vol/Iss: 46 (3) Pages: 1224-1232 Date: 1986	
	92	Author: OPPOLZER et al. Publ: <u>Helvetica Chimica Acta</u>	Title: 177. The Enantioselective Synthesis of (+)-Estradiol from 1,3-Dihydrobenzo[c] thiophene-2,2-dioxide by Successive Thermal SO ₂ -Extrusion and Cycloaddition Reactions	Vol/Iss: 63 Pages: 1703-1707 Date: 1980	
	93	Author: PARTHASARATHY et al. Publ: <u>Journal of Clinical Investigation</u>	Title: Antioxidant: A New Role for RU-486 and Related Compounds (Abstract only)	Vol/Iss: 94 (5) Pages: 1990-1995 Date: 11/1994	
	94	Author: PAULL et al. Publ: <u>Cancer Research</u>	Title: Identification of Novel Antimitotic Agents Acting at the Tubulin Level by Computer-assisted Evaluation of Differential Cytotoxicity Data	Vol/Iss: 52 Pages: 3892-3900 Date: 07/15/92	

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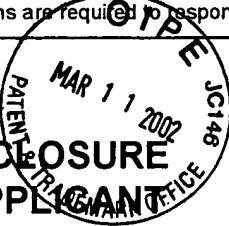
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	95	Author: POLI et al. Publ: <u>Proceedings of the National Academy of Science USA</u>	Title: Tumor Necrosis Factor α Functions in an Autocrine Manner in the Induction of Human Immunodeficiency Virus Expression	Vol/Iss: 87	Pages: 782-785	Date: 01/1990	
	96	Author: RAVINDRA, R. Publ: <u>Journal of Indian Institute of Science</u>	Title: Effect of Estradiol on the <i>in vitro</i> Assembly of Rat Brain Tubulin	Vol/Iss: 64 (3)	Pages: 27-35	Date: 03/1983	
	97	Author: SAKAKIBARA et al. Publ: <u>Mutation Research</u>	Title: Effects of Diethylstilbestrol and its Methyl Ethers on Aneuploidy Induction and Microtubule Distribution in Chinese Hamster V79 cells	Vol/Iss: 263	Pages: 269-276	Date: 08/1991	
	98	Author: SATO et al. Publ: <u>Chemical and Pharmaceutical Bulletin</u>	Title: Effect of Estradiol and Ethynodiol on Microtubule Distribution in Chinese Hamster V79 Cells	Vol/Iss: 40 (1)	Pages: 182-184	Date: 01/1992	
	99	Author: SATO et al. Publ: <u>Gann</u>	Title: Disruptive Effect of Diethylstilbestrol on Microtubules	Vol/Iss: 75	Pages: 1046-1048	Date: 12/1984	
	100	Author: SAWADA et al. Publ: <u>Mutation Research</u>	Title: Colchicine-Like Effect of Diethylstilbestrol (DES) on Mammalian Cells in Vitro	Vol/Iss: 57	Pages: 175-182	Date: 05/1978	
	101	Author: SEEGERS et al. Publ: <u>Joint MCI-1st Symposium. Third 1st International Symposium. Biology and Therapy of Breast Cancer</u>	Title: Cyclic-AMP and Cyclic-GMP Production in MCF-7 Cells Exposed to Estradiol-17 Beta, Catecholestrogens and Methoxy-Estrogens in MCF-7 Cells (Meeting Abstract only)	Vol/Iss:	Pages:	Date: 09/25/89	

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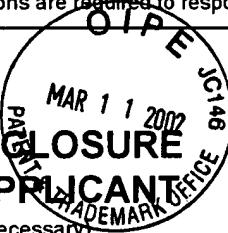
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	102	Author: SEEGERS, J.C. et al. Publ: <u>Journal of Steroid Biochemistry</u>	Title: The Cytotoxic Effects of Estradiol-17B, Catecholestradiols and Methoxyestradiols on Dividing MCF-7 and HeLa Cells	Vol/Iss: 32 (6)	Pages: 797-809	Date: 1989	
	103	Author: SHARP et al. Publ: <u>Carcinogens</u>	Title: Diethylstilbestrol: the Binding and Effects of Diethylstilboestrol upon the Polymerisation and Depolymerisation of Purified Microtubule Protein in vitro	Vol/Iss: 6 (6)	Pages: 865-871	Date: 06/1985	
	104	Author: SPICER et al. Publ: <u>Molecular and Cellular Endocrinology</u>	Title: Catecholestrogens Inhibit Proliferation and DNA Synthesis of Porcine Granulosa Cells in Vitro: Comparison with Estradiol, 5 α -dihydrotestosterone, Gonadotropins and Catecholamines	Vol/Iss: 64	Pages: 119-126	Date: 1989	
	105	Author: STERNLICHT et al. Publ: <u>The Journal of Biological Chemistry</u>	Title: Colchicine Inhibition of Microtubule Assembly via Copolymer Formation	Vol/Iss: 254 (20)	Pages: 10540-10550	Date: 10/25/79	
	106	Author: SUN et al. Publ: <u>Journal of Medicinal Chemistry</u>	Title: Antitumor Agents. 139. Synthesis and Biological Evaluation of Thiocolchicine Analogs 5,6-Dihydro-6(S)-(acyloxy)-and 5,6-Dihydro-6(S)-[(acyloxy)methyl]-1,2,3-	Vol/Iss: 36	Pages: 544-551	Date: 03/05/93	
	107	Author: SUNAGAWA et al. Publ: <u>Chem. Pharm. Bulletin</u>	Title: Synthesis of Colchicine; Synthesis of dl-'Demethyoxydeoxy-hexahydrocolchicine	Vol/Iss: 9	Pages: 81-83	Date: 1961	
	108	Author: TERANISHI, M. et al. Publ: <u>Chemical and Pharmaceutical Bulletin</u>	Title: Methylation of Catechol Estrogen with Diazomethane	Vol/Iss: 31 (9)	Pages: 3309-3314	Date: 09/1983	

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	109	Author: TISHLER et al. Publ: <u>Cancer Research</u>	Title: Microtubule-Active Drugs Taxol, Vinblastine, and Nocodazole Increase the Levels of Transcriptionally Active p53	Vol/Iss: 55 Pages: 6021-6025 Date: 12/15/95	
	110	Author: TSUTSUI et al. Publ: <u>Toxicology in Vitro</u>	Title: Comparison of Human Versus Syrian Hamster Cells in Culture for Induction of Mitotic Inhibition, Binucleation and Multinucleation, Following Treatment with Four Aneuploidogens	Vol/Iss: 4 (1) Pages: 75-84 Date: 1990	
	111	Author: UTNE et al. Publ: <u>Journal of Organic Chemistry</u>	Title: The Synthesis of 2- and 4-Fluoroestradiol	Vol/Iss: 33 (6) Pages: 2469-2473 Date: 06/1968	
	112	Author: VAN GEERESTEIN et al. Publ: <u>Acta Crystall Ogr., Sect. C: Cryst. Struct. Commun.</u>	Title: Structure of 11.beta.-{(dimethylamino)phenyl}-17.beta.-hydroxy-17.alpha.-(2-propenyl) estra-4,9-dien-3-one (Identifier only)	Vol/Iss: C43 (2) Pages: 319-322 Date: 1987	
	113	Author: VAN TAMELEN et al. Publ: <u>Tetrahedron</u>	Title: The Synthesis of Colchicine	Vol/Iss: 14 Pages: 8-34 Date: 09/1961	
	114	Author: WANG, Z. et al. Publ: <u>Synth.Commun.</u>	Title: An Optimized Synthesis of 2-Methoxyestradiol, a Naturally Occurring Human Metabolite with Anticancer Activity	Vol/Iss: 28 (23) Pages: 4431-4437 Date: 1998	
	115	Author: WHEELER et al. Publ: <u>Mutation Research</u>	Title: Mitotic Inhibition and Aneuploidy Induction by Naturally Occurring and Synthetic Estrogens in Chinese Hamster Cells in Vitro	Vol/Iss: 171 Pages: 31-41 Date: 1986	

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	116	Author: WHEELER et al. Publ: <u>Cell Motility and the Cytoskeleton</u>	Title: Mitotic Inhibition and Chromosome Displacement Induced by Estradiol in Chinese Hamsters Cells Vol/Iss: 7 (3) Pages: 235-247 Date: 1987		
	117	Author: YUE et al. Publ: <u>Molecular Pharmacology</u>	Title: 2-Methoxyestradiol, an Endogenous Estrogen Metabolite, Induces Apoptosis in Endothelial Cells and Inhibits Angiogenesis: Possible Role for Stress-Activated Protein Kinase Signaling Pathway and Fas Expression Vol/Iss: 51 Pages: 951-952 Date: 1997		

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